<u>AMENDMENT TO THE CLAIMS</u>

A copy of all pending claims and a status of the claims is provided below.

(original) A method for manufacturing a device including an n-type device
and a p-type device, comprising:

forming a shallow-trench-isolation oxide (STI) isolating the n-type device from the p-type device;

adjusting the shallow-trench-isolation oxide corresponding to at least one of the n-type device and the p-type device such that a thickness of the shallow-trench-isolation oxide adjacent to the n-type device is different from a thickness of the shallow-trench-isolation oxide adjacent to the p-type device; and

forming a strain layer over the semiconductor substrate.

- 2. (original) The method of claim 1, wherein the strain layer comprises an etch stop nitride film.
- 3. (original) The method of claim 1, wherein the strain layer is one of a compressive strain layer or a tensile strain layer.
- 4. (original) The method of claim 1, wherein the step of adjusting comprises forming a pad nitride with a first thickness for the n-type device and forming a pad

nitride with a second thickness for the p-type device such that the first thickness is different from the second thickness.

- 5. (original) The method of claim 4, wherein the first thickness is smaller than the second thickness.
- 6. (original) The method of claim 4, wherein the first thickness is greater than the second thickness.
- 7. (original) The method of claim 1, wherein the step of adjusting comprises covering the n-type transistor while exposing the semiconductor substrate to at least one oxide etching chemical, such that a thickness of the shallow-trench-isolation oxide adjacent to the n-type device is greater than the thickness of the shallow-trench-isolation oxide adjacent to the p-type device.
- 8. (original) The method of claim 7, wherein the oxide etching chemical includes HF (hydrofluoric acid).
- 9. (original) The method of claim 1, wherein the step of adjusting comprises covering the p-type transistor while exposing the n-type transistor and the semiconductor substrate to at least one oxide etching chemical, such that a thickness of

the shallow-trench-isolation oxide adjacent to the p-type device is greater than the thickness of the shallow-trench-isolation oxide adjacent to the n-type device.

- 10. (original) The method of claim 9, wherein the oxide etching chemical includes HF.
- 11. (original) The method of claim 1, wherein the step of forming a strain layer comprises forming at least one of a SiGe, Si₃N₄, SiO₂ and Sio_xN_y layer on the semiconductor substrate.
- 12. (original) The method of claim 1, wherein the step of forming a shallow-trench-isolation oxide (STI) isolating the n-type device from the p-type device comprises forming the shallow-trench-isolation oxide at a distance of about 1500 Angstroms or less from the adjacent n-type device or p-type device.
- 13. (original) The method of claim 1, wherein the thickness of the shallow-trench-isolation oxide of one of the n-type device or the p-type device is about 300 Angstroms to about 1000 Angstroms less than the shallow-trench-isolation oxide of the other of the n-type device or the p-type device.
- 14. (original) A method for manufacturing a device including an n-type device and a p-type device, comprising:

forming a boundary for the n-type device and the p-type device;

adjusting a height of the boundary such that a boundary adjacent to the n-type device is at a level which is different from a level of a height of a boundary adjacent to the p-type device; and

forming a strain layer over the semiconductor substrate.

15. (original) The method of claim 14, wherein the strain layer comprises a compressive strain layer or a tensile strain layer.

16. (original) The method of claim 15, wherein:

the strain layer is a tensile strain layer, and

the height of the boundary adjacent to the n-type device is lower than the height of the boundary adjacent to the p-type device.

17. (original) The method of claim 16, wherein:

the strain layer is a compressive strain layer, and

the height of the boundary adjacent to the p-type device is lower than the height of the boundary adjacent to the n-type device.

Claims 18-30. (canceled)

31. (previously presented) A method for manufacturing a device including an n-type device and a p-type device, comprising:

forming a shallow-trench-isolation oxide (STI) isolating the n-type device from the p-type device wherein a thickness of the shallow-trench-isolation oxide adjacent to the n-type device is different from a thickness of the shallow-trench-isolation oxide adjacent to the p-type device; and

forming a strain layer over the semiconductor substrate.